

Comparisons of Job Characteristics

Focus Occupation: Architectural and Civil Drafters (17-3011)

Associated Occupation: Landscape Architects (17-1012)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: Architectural and Civil Drafters (17-3011)

Associated Occupation: Landscape Architects (17-1012)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Design	5.2	22.8	21.0	0	Current knowledge level may be sufficient
Building and Construction	4.0	18.1	15.5	<	Expanded education and/or training may be required
Geography	3.9	17.5	7.9	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	15.6	15.2	0	Current knowledge level may be sufficient
Administration and Management	8.4	14.4	5.4	<<	Extensive education and/or training may be required
Biology	3.7	13.9	2.0	<<	Extensive education and/or training may be required
Sales and Marketing	5.2	13.9	4.0	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	13.8	7.3	<<	Extensive education and/or training may be required
Law and Government	5.9	12.4	8.0	<<	Extensive education and/or training may be required
Fine Arts	2.2	11.8	3.2	<<	Extensive education and/or training may be required
Sociology and Anthropology	4.1	11.4	3.7	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	10.7	2.7	<<	Extensive education and/or training may be required
Transportation	4.6	10.4	4.2	<<	Extensive education and/or training may be required
Communications and Media	5.3	9.7	5.3	<<	Extensive education and/or training may be required
History and Archeology	2.6	9.3	4.0	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills	Similarity of Focus Occupation to Associated Occupation: 81				
Focus Occupation: Architectural and Civil Drafters (17-3011) Associated Occupation: Landscape Architects (17-1012)					
Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Coordination	9.1	12.0	9.4	<	A higher skill level may be required
Operations Analysis	5.0	11.9	8.0	<<	Extensive development of skills in this area may be required
Systems Evaluation	6.4	10.7	7.1	<<	Extensive development of skills in this area may be required
Persuasion	7.4	10.5	6.3	<<	Extensive development of skills in this area may be required
Management of Personnel Resources	6.9	10.2	7.1	<<	Extensive development of skills in this area may be required
Negotiation	6.8	10.0	6.4	<<	Extensive development of skills in this area may be required
Management of Financial Resources	3.3	6.4	4.5	<<	Extensive development of skills in this area may be required
Management of Material Resources	3.7	6.1	4.6	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 96			
Focus Occupation: Architectural and Civil Drafters (17-3011) Associated Occupation: Landscape Architects (17-1012)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Expression	12.4	14.0	11.5	<	Some improvement in abilities may be required
Oral Comprehension	12.5	13.9	12.7	0	Current ability level may be sufficient
Written Comprehension	11.0	13.0	12.6	0	Current ability level may be sufficient
Deductive Reasoning	10.6	12.8	10.6	<	Some improvement in abilities may be required
Written Expression	9.8	12.8	11.2	<	Some improvement in abilities may be required
Visualization	7.5	12.2	12.5	0	Current ability level may be sufficient
Problem Sensitivity	11.1	12.0	11.5	0	Current ability level may be sufficient
Originality	7.6	11.8	8.7	<<	Extensive improvement in abilities may be required
Category Flexibility	9.0	11.5	10.1	<	Some improvement in abilities may be required

Fluency of Ideas	7.6	11.0	8.6	<	Some improvement in abilities may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 90

Focus Occupation: Architectural and Civil Drafters (17-3011)
Associated Occupation: Landscape Architects (17-1012)

Work Activities	Exclusivity of Activity
Analyze technical data, designs, or preliminary specifications	47
Collect scientific or technical data	30
Communicate technical information	4
Develop plans for programs or projects	31
Draw maps or charts	69
Draw prototypes, plans, or maps to scale	57
Inspect project operations, or site to determine specification compliance	72
Interpret aerial photographs	69
Interpret maps for architecture, construction, or engineering project	77
Prepare technical reports or related documentation	22
Read blueprints	10
Read technical drawings	7
Research property records	77
Understand engineering data or reports	48
Use computer aided drafting or design software for design, drafting, modeling, or other engineering tasks	58
Use computer graphics design software	70
Use computers to enter, access or retrieve data	3
Use drafting or mechanical drawing techniques	50
Use field notes in technical drawings	78
Use spreadsheet software	18
Use word processing or desktop publishing software	17
Write business project or bid proposals	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 84

Focus Occupation: Architectural and Civil Drafters (17-3011)
Associated Occupation: Landscape Architects (17-1012)

Tools and Technologies	Exclusivity
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Business function specific software	1
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Industry specific software	1
Information exchange software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.